IBM Personal System/2 Model 65 SX

Impressive performance, excellent expandability—at an affordable price

The Personal System/2® Model 65 SX is just the machine for you if you want impressive computing power plus lots of room to expand. It not only offers 386SX™ processing performance, but it can be easily upgraded with large fixed disk and memory capacities. And its built-in SCSI (Small Computer System Interface) bus master card and seven available expansion slots give Model 65 SX additional capabilities to grow as your business grows.

As a standalone, general-purpose system, the Model 65 SX has what it takes to support "storage-hungry" applications like desktop publishing. And as a low-end LAN server, Model 65 SX is ideal as a low-cost solution for a departmental network.

This floorstanding PS/2's® 80386SX™ 32-bit system processor opens the way to 386-based benefits—like multitasking—at about what you'd pay for a 286-based machine. And its ANSI-standard SCSI bus master adapter allows you to attach up to seven internal/external devices at once—such as IBM fixed disks and CD-ROM drives, as well as OEM SCSI devices—in a daisy-chain connection. Combine all this with PS/2 Micro Channel™ architecture, and you have a system you can build on now or in the future.

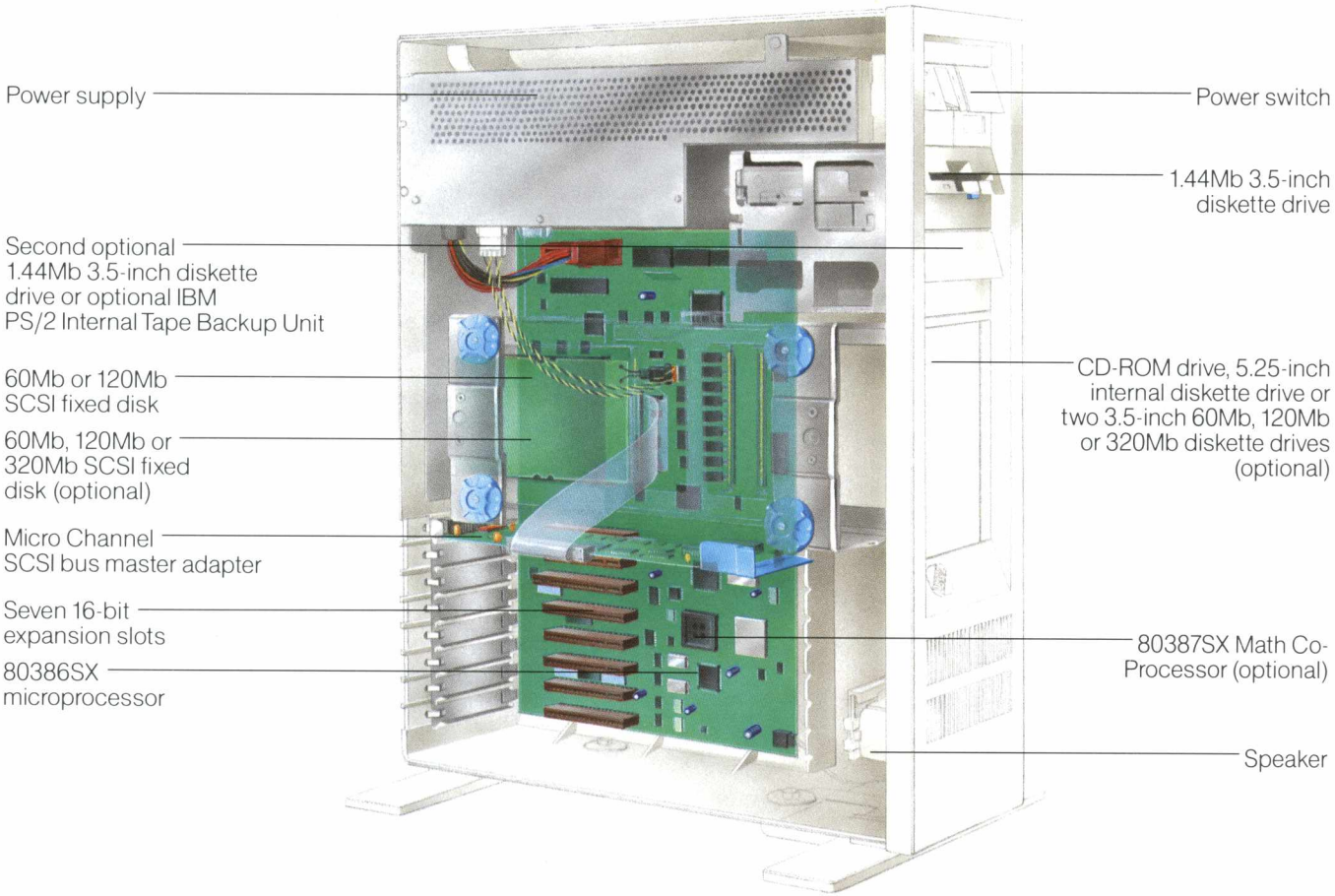
PS/2 at work

Here are some of the ways you can put Model 65 SX to work for you:

- Process all your business applications—even advanced 32-bit, 386-based applications—with ease
- Use Model 65 SX as a cost-efficient LAN server with extensive expansion capabilities
- Run major windowing and multitasking applications from a growing base of OS/2® products
- Tackle big jobs that need lots of memory, such as large graphics applications for desktop publishing
- Manage your office word processor and fax machine—and send electronic mail and files—to keep business running smoothly
- Utilize "run the business" applications in RPG from the many midrange program offerings
- Take advantage of the 65 SX's built-in SCSI card to connect up to seven peripherals from IBM and OEM vendors; add on as many as three more SCSI cards to attach up to 28 devices

IBM

Feature	Benefit
16 MHz 80386SX™ microprocessor	• Delivers impressive speed and power for complex business or technical applications • Enhances performance—supports 32-bit 386 applications at a 286 price
2Mb user memory (expandable to 16Mb)	• Gives you plenty of room and workspace • Lets you run multiple applications and work with large amounts of data
Micro Channel architecture	• Provides efficient data paths for fast, reliable, balanced performance • Supports multiple tasks and concurrent input/output operations • Protects investment by providing a platform for future expansion and growth
Network and host emulation capabilities	• Make it possible to communicate with your host via many different protocols • Share network peripherals, files and programs with ease
Built-in SCSI bus master Micro Channel adapter cards	• Let you add up to seven different internal or external peripherals[1] • Allow you to interface with IBM or non-IBM SCSI devices
Seven available expansion slots	• Give you optimum system expansion
Multiple bays	• Provide versatility to install such internal devices as CD-ROM, multiple fixed disks, tape drives and a 5.25-inch internal diskette drive • Let you use up to six bays—including four for 3.5-inch SCSI fixed disk drives—with Option Kit A installed
Internal fixed disk drives	• Allow you to choose up to three additional high-performance 60Mb, 120Mb or 320Mb SCSI fixed disk drives for maximum storage of 1.1Gb • Give you faster, more convenient access to programs and data • Reduce storage and retrieval time for larger data bases and network servers • Provide fast, state-of-the-art 12.5ms performance through 320Mb fixed disk drives (optional)
1.44Mb 3.5-inch diskette drive, 3.5-inch diskette	• Allow for high-density storage • Store data on a smaller, portable, durable diskette
Built-in VGA capabilities	• Provide high-quality, high-detail graphics and text


Power supply
Second optional 1.44Mb 3.5-inch diskette drive or optional IBM PS/2 Internal Tape Backup Unit
60Mb or 120Mb SCSI fixed disk
60Mb, 120Mb or 320Mb SCSI fixed disk (optional)
Micro Channel SCSI bus master adapter
Seven 16-bit expansion slots
80386SX microprocessor
Power switch
1.44Mb 3.5-inch diskette drive
CD-ROM drive, 5.25-inch internal diskette drive or two 3.5-inch 60Mb, 120Mb or 320Mb diskette drives (optional)
80387SX Math Co-Processor (optional)
Speaker

Wide range of options

	Part No.
Storage Devices	
• 3.5" 1.44Mb Diskette Drive	6451026
• 5.25" 1.2Mb Internal Diskette Drive	6451006
• 5.25" 1.2Mb External Diskette Drive	4869002
• 5.25" 360Kb External Diskette Drive	4869001
• 60Mb SCSI Fixed Disk Drive	6451049
• 120Mb SCSI Fixed Disk Drive	6451050
• 320Mb SCSI Fixed Disk Drive	6451055
• CD-ROM Drive (internal)	6450845
• External CD-ROM Drive	3510001
• 6157 Streaming Tape Drive[2] (60Mb, 150Mb)	6157001/6157002
• Internal Tape Backup Unit	30F5279
• 3363 Optical Disk Drive[2] (-A01, -B01)	63X4131/63X4182
Scanners	
• 3117, 3118 Scanners[2]	3117010/3118010
• 3119 PageScanner[2]	94X2410
Connectivity/Communications	
• Token-Ring Network Adapter/A	69X8138
• Token-Ring Network 16/4 Adapter/A	16F1133
• Token-Ring Network Trace and Performance Adapter/A	96X5774
• Token-Ring Network Adapter/A—Remote Program Load	25F8887
• PC Network Baseband Adapter/A	1501223
• PC Network Adapter II/A	1501222
• PC Network Adapter II/A—Frequency 2	96X5647
• PC Network Adapter II/A—Frequency 3	96X5648
• Dual Async Adapter/A	6451013
• Multi-Protocol Adapter/A	6451003
• Realtime Interface Co-Processor Multiport/2[3]	09F1897
• X.25 Interface Co-Processor Portmaster Adapter/A[3]	16F1858
• 3270 Connection	74F3459
• 300/1200/2400 Internal Modem/A	94X1755
• 300/1200 Internal Modem/A	6450349
• Leased Line Modem	26F1862
• System 36/38™ W/S Emulation Adapter/A	69X6279
• Display Station Emulation Adapter/A	92X0743
• System/370™ Channel Emulation Adapter/A	06F3160
Graphics and Multimedia	
• Display Adapter 8514/A[3]	1887972
• Audio Capture/Playback Adapter/A	34F2784
• Video Capture Adapter/A	34F2785
Other features	
• Micro Channel SCSI Adapter	6451005
• Micro Channel SCSI Adapter with Cache	6451018
• Mouse	6450350

Memory matrix tables

Memory on system board	**Model 65 SX**
Standard memory	2Mb
Maximum memory	8Mb[4]
System board memory expansion kits	1Mb (6450603) 2Mb (6450604) 4Mb (34F2933)
Number of memory kits that can be added on system board	1
Memory configurations possible on system board	2Mb, 3Mb, 4Mb, 5Mb,[4] 6Mb, 8Mb[4]
Memory options (cards)	
Memory expansion card (size) and capacity range	2Mb (6540609) 2–8Mb
Memory kits to upgrade card	1Mb (6450603) 2Mb (6450604)
Maximum number of memory kits that can be added to each memory card	3
Maximum number of memory cards/system	2
Maximum system memory	16Mb

Why PS/2?

Here are some of the reasons why PS/2 stands out as the best solution for your business needs.

Technological leadership through Micro Channel architecture, integrated construction, and advanced design (by combining Very Large Scale Integration and Surface Mount Technology), and support for large memory.

Extensive communications capabilities—through a wide range of connectivity options—provide concurrent support for intelligent communications adapters and co-processors, thanks to Micro Channel architecture.

Compatibility to protect your investment since the PS/2s you have today work with existing products and programs and with those you'll need tomorrow.

Service and support that provide you with everything from fast parts delivery to on-site services to system planning to 24-hour phone support—all at a competitive price.

Business Partners who enhance PS/2 capabilities by helping customers choose, customize and configure hardware and software to meet a range of needs.

Quality and reliability that ensure PS/2s are built to perform smoothly and dependably year after year.

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™*Micro Channel, System/36 and System/38, System/370, Proprinter, Operating System/2, and AIX are trademarks of International Business Machines Corporation. 386SX, 80386SX and 80386 are trademarks of Intel Corporation.*
[1]*Installation may require features that are not listed, such as adapters, cables and installation kits.*
[2]*Several models, some with selectable functions, are available; additional features may be required.*
[3]*Multiple features may be required depending on the specific functions desired.*
[4]*Achieving this configuration requires replacing the standard 2Mb kit with a 4Mb kit.*
[5]*AIX Personal System/2 Operating System available 9/90.*

IBM Personal System/2 Model 65 SX at a glance

Machine numbers	8565-061	8565-121
80386SX microprocessor	16 MHz 0–2 wait states	16 MHz 0–2 wait states
Optional 80387SX Math Co-Processor (27F4676)	16 MHz	16 MHz
Memory (RAM)		
Standard	2Mb (100ns)	2Mb (100ns)
Maximum on system board	8Mb[4]	8Mb[4]
System maximum	16Mb	16Mb
Integrated functions	Video Graphics Array (VGA) and display port, serial port, parallel port, pointing device port, keyboard port, diskette controller, clock/calendar, SCSI controller	
Available expansion slots	Seven 16-bit	
SCSI bus master adapter	ANSI standard; support for up to seven internal/external devices per adapter; support for up to four SCSI adapters per system, enabling attachment of a total of 28 peripherals	
Storage		
1.44Mb 3.5-inch diskette drives		
Standard	1	1
Maximum	2	2
Fixed disk drives (standard)	60Mb	120Mb
Access time	23ms	23ms
Optional SCSI fixed disk storage	Up to 3 additional 60Mb (23ms), 120Mb (23ms) or 320Mb (12.5ms) internal drives	
Optional storage	A second 1.44Mb diskette drive or IBM Personal System/2 Internal Tape Back-up Unit; IBM 3363 Optical Disk Drive, IBM 6157 Streaming Tape Drives, IBM 5.25" Internal Diskette Drive, CD-ROM Drive (internal), External CD-ROM Drive	
Text/graphics	VGA also supports CGA, EGA and MCGA modes and provides up to 256 colors (from a palette of over 256,000) and 64 shades of gray (monochrome)	
Display modes	All CGA and EGA modes plus: 320 x 200 pels x 256 colors—all points addressable 640 x 480 pels x 16 colors—all points addressable 9 x 16 character box—16 colors (text)	
Supported displays	IBM Personal System/2 Color Displays 8512, 8513, 8514 and 8515; IBM Personal System/2 Monochrome Displays 8503, 8506, 8507 and 8508	
Keyboard	101 keys, including 12 function keys, 3 lighted mode indicators; 6-foot coiled cable	
Supported printers/plotters	IBM Proprinter™[2] family, IBM LaserPrinter and IBM LaserPrinter E, IBM Quietwriter®[2] printers, IBM Pageprinter[2] family, IBM Personal Page Printer II, IBM Quickwriter®[2] Printer, IBM Wheelprinter family, IBM 618X and 737X Color Plotters[2]	
Operating systems	DOS 3.3 and 4.0, IBM Operating System/2,™ OS/2 Standard Edition 1.1 and 1.2, OS/2 Extended Edition 1.1 and 1.2, AIX™ Personal System/2[5]	
Power supply	250-watt worldwide autosensing and autoswitching	
Data path	16-bit	
Size	Approx. 23.5"H x 6.5"W x 19.0"D (597mm x 166mm x 482mm); 45.3 lbs. (20.6 kg)	
Warranty	One-year limited warranty	

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